

LESSON PLAN

PART I
COVER SHEET

LESSON TITLE: M291 Skin Decontaminating Kit

TRAINING METHOD: Demonstration

ORGANIZATIONAL PATTERN: Topical

REFERENCES: T.O. 11D1-1-131, Operator's Manual Decontaminating Kit, Skin: M291
(2 Oct 89, Chg 1)

AIDS AND

HANDOUTS: M291 Skin Decontamination Kit

LESSON OBJECTIVE: Given an explanation and demonstration on the M291 Skin Decontamination Kit, the student must correctly answer questions that demonstrate mastery of the samples of behavior listed below:

SAMPLES OF BEHAVIOR:

1. Identify warnings associated with the use of the M291 Skin Decontamination Kit.
2. State the purpose of the M291 Skin Decontamination Kit.
3. State the characteristics of the M291 Equipment Decontamination Kit.

SUGGESTED COURSE OF INSTRUCTION: NBC Defense Training
Chemical Threat Area:
Contamination Control Team
Shelter Management Teams
Disaster Preparedness Support Team

STRATEGY: Since the M291 Skin Decontamination Kit can be used for actual combat and training purposes, it would be beneficial to allow the student to actually use it to develop proficiency.

LESSON OUTLINE:

- MAIN POINT 1. WARNINGS
- a. External Use Only
 - b. Decon Eyes, Cuts, and Wounds
 - c. Use Within Three Minutes
 - d. Agent Exposure
- MAIN POINT 2. PURPOSE AND COMPONENTS OF THE M291 SKIN
DECONTAMINATION KIT
- a. Contents
 - b. Applicator Pads
 - c. Operating Temperatures
- MAIN POINT 3. EQUIPMENT INSPECTION
- MAIN POINT 4. OPERATING PROCEDURES
- a. When Not Wearing the Protective Mask
 - b. When Wearing the Protective Mask, With the Hood Unzipped and Drawstring Unsecured
 - c. When Wearing the Protective Mask, With the Hood Zipped and Drawstring Secured

PART II TEACHING PLAN

INTRODUCTION

ATTENTION:

If you became contaminated with a chemical warfare agent, would you know how to decontaminate yourself?

MOTIVATION:

Use the M291 Skin Decontamination Kit to neutralize toxic chemical warfare agents on your skin. When used correctly, it could save your life.

OVERVIEW:

This lesson covers the warnings, purpose and components, inspection criteria, and use of the M291 Skin Decontamination Kit.

TRANSITION:

We'll begin this lesson by discussing the warnings associated with the M291 Skin Decontamination Kit.

BODY

MAIN POINT 1. WARNINGS

a. EXTERNAL USE ONLY

There are four warnings you must adhere to when using the M291 Skin Decontamination Kit:

The M291 Skin Decontamination Kit is for external use only. Contents of the kit may be slightly irritating to the skin or eyes. Keep the decontaminating powder out of the eyes, cuts, and wounds.

b. FLUSH EYES, CUTS, AND WOUNDS

Use water to flush toxic agent out of eyes, cuts, or wounds. Do not use the M291 for these areas.

c. USE WITHIN THREE (3) MINUTES

The complete decontamination of your face and other areas of exposed skin must be done within three minutes.

d. AGENT EXPOSURE

Death or injury may result if you breathe in toxic agents while decontaminating your face. Therefore, if you need to breathe while decontaminating your face, reseal your mask, clear and check it, then get your breath before resuming decontamination procedures.

MAIN POINT 2. PURPOSE AND COMPONENTS OF THE M291

The M291 Skin Decontamination Kit allows you to completely decontaminate your skin through physical removal, absorption, and neutralization of toxic agents with no long-term harmful effects.

a. CONTENTS

Each M291 Skin Decontamination Kit consists of a wallet-like carrying pouch containing six individual decon packets, which is enough to do three complete skin decontaminations.

b. APPLICATOR
PADS

Each packet contains an applicator pad filled with decon powder. Skin decon kit is expendable. Discard carrying pouch after packets are all used.

c. OPERATING
TEMPERATURES

The kit may be used in temperatures ranging from -50°F to 120°F.

**MAIN POINT 3.
EQUIPMENT
INSPECTION**

Ensure your M291 Skin Decontamination Kit is ready for use before and after your mission. To ensure it's ready, perform the following inspection:

a. INSPECT KIT

Inspect the kit for loose black powder. If no powder is detected, the kit is mission ready. However, if powder is detected, inspect each packet for leaks.

b. DISCARD
LEAKING
PACKETS

Discard leaking packets. Contents may no longer be effective, due to exposure to the air.

c. REPLACE
LEAKING
PACKETS

Reinsert good packets into the carrying pouch, ensuring the TEAR LINE is at the bottom.

d. REQUEST
ADDITIONAL KIT

If there are less than four packets remaining in your kit, request additional kit. Continue to use your kit until all packets are gone.

**MAIN POINT 4.
OPERATING
PROCEDURES**

INSTRUCTOR'S NOTE: To conserve resources, have students use the same applicator pad with and without the hood when practicing and being evaluated on the use of the M291 Skin Decontamination Kit.

a. WHEN NOT
WEARING THE
PROTECTIVE
MASK

When you find or suspect agent on your skin or a buddy sees it and tells you, act immediately. Procedure is the same regardless of protective mask type.

1) MASK AND
HOOD

First, put on your mask and hood. Do not zip the hood, pull the draw strings, or fasten the shoulder straps.

2) OVERHEAD
PROTECTION

Seek overhead protection or use a poncho to avoid further contamination.

3) 1ST PACKET

Remove one skin decon packet from the carrying pouch.

4) REMOVE PAD

Tear the package open at the notch, remove pad and discard empty packet.

5) SLIP IN
FINGERS

Unfold the applicator pad and slip your finger(s) into the handle.

INSTRUCTOR'S NOTE: Emphasize using the entire surface of the applicator pad during decontamination procedures.

6) SCRUB HAND

Thoroughly scrub exposed skin of the back of hand, palm, and fingers until completely covered with black powder from the applicator pad.

INSTRUCTOR'S NOTE: Attachment 1 illustrates scrubbing a hand. May be made into an overhead for a visual aid.

7) SWITCH TO
OTHER HAND

Switch the applicator pad to other hand and repeat the procedure. Scrubbing your hands or gloves prior to decontaminating your face is essential since it prevents cross contamination.

INSTRUCTOR'S NOTE: Use the same applicator pad to decon the face as used to decon the hands. The following steps will be performed while holding the breath. When unable to hold the breath, must reseal mask, clear and check it, recover breathing and then resume decontamination.

8) DECON FACE

Using the same applicator pad, you are now ready to decontaminate your face and the inside of the mask.

- (1) Hold breath
- (2) Close your eyes
- (3) Grasp mask beneath the chin
- (4) Pull hood and mask away from chin, allowing one hand between the mask and your face.
- (5) Hold the mask in this position while accomplishing the remaining steps.

INSTRUCTOR'S NOTE: Emphasize short up and down strokes when scrubbing the face.

a) EAR TO
NOSE TO
EAR

Scrub up and down across face beginning at front of one ear, across to nose, across to other ear. (Scrub extra strokes at the corner of your nose and include the tip). Then scrub across your face to the front of your other ear.

INSTRUCTOR'S NOTE: Attachment 2 illustrates ear to nose to ear. May be made into an overhead for a visual aid.

b) CHEEK TO
MOUTH TO
CHEEK

Keeping mouth closed, scrub across your cheek to the corner of your mouth. Make extra strokes at the corner of your mouth. Scrub across your closed mouth to the center of your upper lip. Finish up by scrubbing across your cheek to the end of your jawbone.

c) JAWBONE
TO CHIN TO
JAWBONE

INSTRUCTOR'S NOTE: Attachment 3 illustrates cheek to mouth to cheek. May be made into an overhead for a visual aid.

Scrub across and under jaw to your chin, cupping the chin. Scrub extra stroke at center of chin. Continue to scrub across and under your jaw to the end of your jawbone at the other side.

d) WIPE
INSIDE OF
MASK

INSTRUCTOR'S NOTE: Attachment 4 illustrates jawbone to chin to jawbone. May be made into an overhead for a visual aid.

Turn your hand out and quickly wipe the inside of your mask that touches your face.

e) DISCARD
PAD

Discard the applicator pad and immediately seal, clear, and check your mask.

INSTRUCTOR'S NOTE: If done correctly, the students facial skin should be completely covered with black powder.

9) REMOVE 2ND
PACKET

Tear open at the notch, remove applicator pad from packet and discard empty packet.

10) SLIP INTO
FINGERS

Unfold the applicator pad and slip your finger(s) into the handle.

11) SCRUB NECK
AND EARS

Without breaking the seal between your face and mask, thoroughly scrub your neck and ears until they are completely covered with black powder.

INSTRUCTOR'S NOTE: Attachment 5 illustrates the neck and ear area. May be made into an overhead for a visual aid.

12) REDO HANDS

Redo your hands until they are completely covered with black powder.

13) DISCARD PAD

Discard the applicator pad and, if you are not wearing protective gloves, put them on at this time.

14) FASTEN HOOD

Fasten your hood.

15) DECON
SUSPECTED
CONTAMINA-
TION

Decontaminate any remaining exposed skin or areas of suspected contamination using the procedures provided.

16) SOAP AND

Remove the black powder with soap and water when conditions permit.

INSTRUCTOR'S NOTE: Explain to the students this mask configuration is not normally used.

**b. WHEN WEARING
MASK, HOOD
UNZIPPED,
DRAWSTRING
UNSECURED**

Decontamination procedures when wearing the mask with the hood unzipped and drawstring unsecured are as follows:

**1) OVERHEAD
PROTECTION**

Seek overhead protection from further contamination, when practical.

**2) REMOVE
PACKET**

Remove one skin decon packet from the carrying pouch.

3) TEAR OPEN

Tear open at the notch, remove applicator pad from packet and discard empty packet.

**4) SLIP IN
FINGERS**

Unfold the applicator pad and slip your finger(s) into the handle.

5) SCRUB HAND

Thoroughly scrub the back of your hand, palm, and fingers until they or your gloves are completely covered with black powder from the applicator pad. Switch the applicator pad to the other hand and repeat the procedure.

**6) WITHOUT
BREAKING
SEAL**

Without breaking the seal between your face and mask, thoroughly scrub your neck and ears until they are completely covered with black powder.

7) REDO HANDS

Redo your hands until they are completely covered with black powder.

8) DISCARD PAD

Discard applicator pad. Then, if you are not wearing protective gloves, put them on at this time.

9) USE SOAP AND WATER	Fasten your hood and remove the black powder with soap and water when operational conditions permit.
c. WHEN WEARING MASK, HOOD ZIPPED, DRAWSTRING SECURED	Decontamination procedures when wearing the mask with the hood zipped and drawstring secured are as follows:
1) SEEK PROTECTION	Seek overhead protection from further contamination, when practical.
2) REMOVE PACKET	Remove one skin decon packet from the carrying pouch.
3) TEAR OPEN	Tear open at the notch, remove applicator pad from packet and discard empty packet.
4) SLIP IN FINGERS	Unfold the applicator pad and slip your finger(s) into the handle.
5) SCRUB HAND	Thoroughly scrub the back of your hand, palm, and fingers until they or your gloves are completely covered with black powder from the applicator pad. Switch the applicator pad to the other hand and repeat the procedure.
6) DISCARD PAD	Discard applicator pad. Then, if you are not wearing protective gloves, put them on at this time.
7) USE SOAP AND WATER	Fasten your hood and remove the black powder with soap and water when conditions permit.

CONCLUSION

SUMMARY:

We have just discussed:

1. The warnings
2. Purpose and components of the M291 kit
3. Equipment inspection
4. Operating procedures

REMOTIVATION:

The ability to properly decontaminate yourself with the M291 Skin Decontamination Kit can decrease your chances for the results of contamination.

CLOSURE:

This concludes this lesson.

TRANSITION:

(Develop locally to transition to the next topic.)

**PART III
EVALUATION**

STUDENT PERFORMANCE STANDARDS

1. Inspect and determine the serviceability of the M291 Skin Decontamination Kit.
2. Properly use the M291 Skin Decontamination Kit by following operational instructions.

TEST ITEMS

1. LESSON OBJECTIVE: Identify warnings associated with the use of the M291 Skin Decontamination Kit.

QUESTION (True or False)

Keep the decontaminating powder of the M291 Skin Decontamination Kit out of the eyes, cuts, and wounds.

- a. True
- b. False

Key: a

REFERENCE: Main Point 1

2. LESSON OBJECTIVE: Explain the purpose of the M291 Skin Decontamination Kit.

QUESTION: (TRUE or FALSE)

The M291 Skin Decontamination Kit detects the presence of nerve agents on exposed areas of the skin.

- a. True
- b. False

KEY: b

REFERENCE: Main Point 2

3. LESSON OBJECTIVE: State the characteristics of the M291 Skin Decontamination Kit.

QUESTION: (Multiple Choice)

Which of the following is **NOT** a characteristic of the M291 Skin Decontamination Kit.

- a. Comes in a wallet-like carrying pouch containing six individual decon packets.
- b. The decon kit can be stored in a wide temperature range.
- c. The decon kits are reusable and should be saved for future uses.
- d. There are enough packets in each kit to do three complete skin decontaminations.

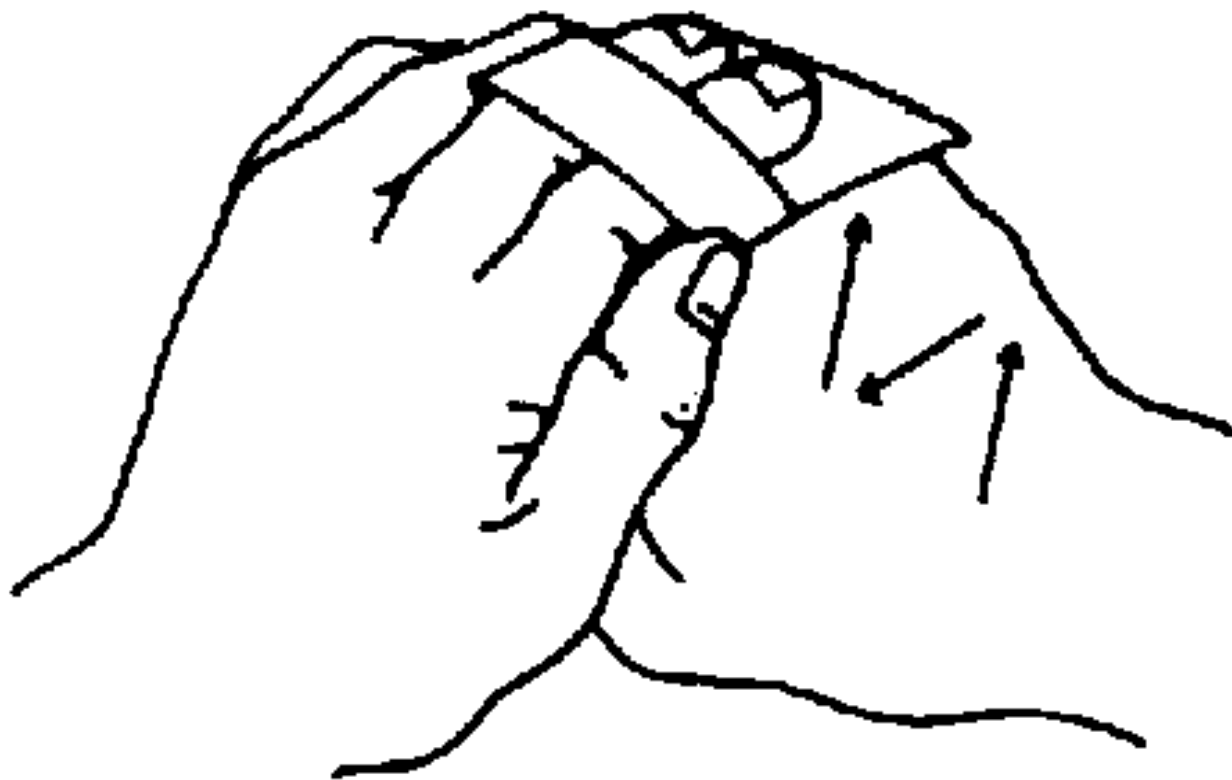
Key: c

Main Point 2

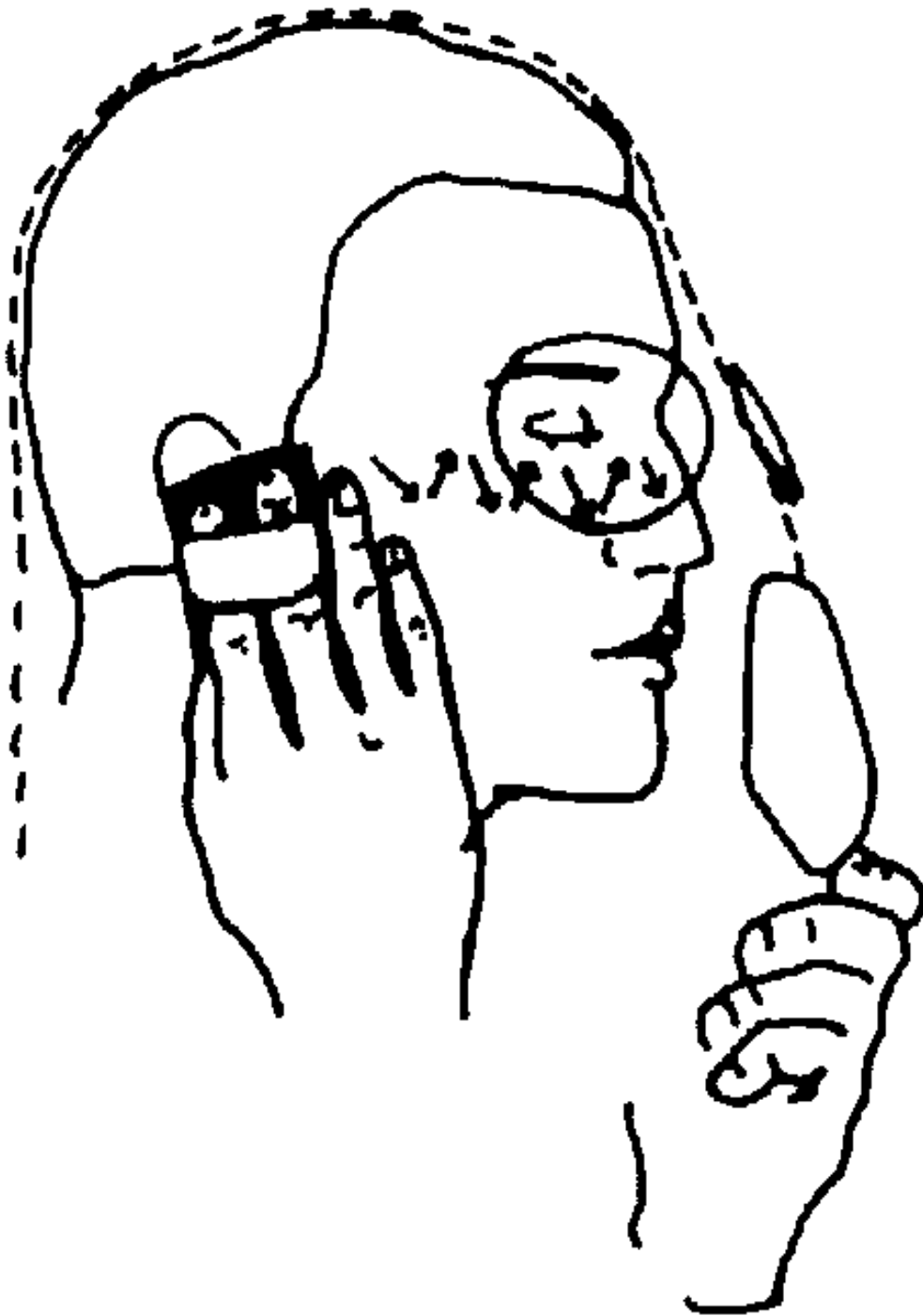
**PART IV
RELATED MATERIALS**

RTP F5 - M258A1 Decontamination Kit

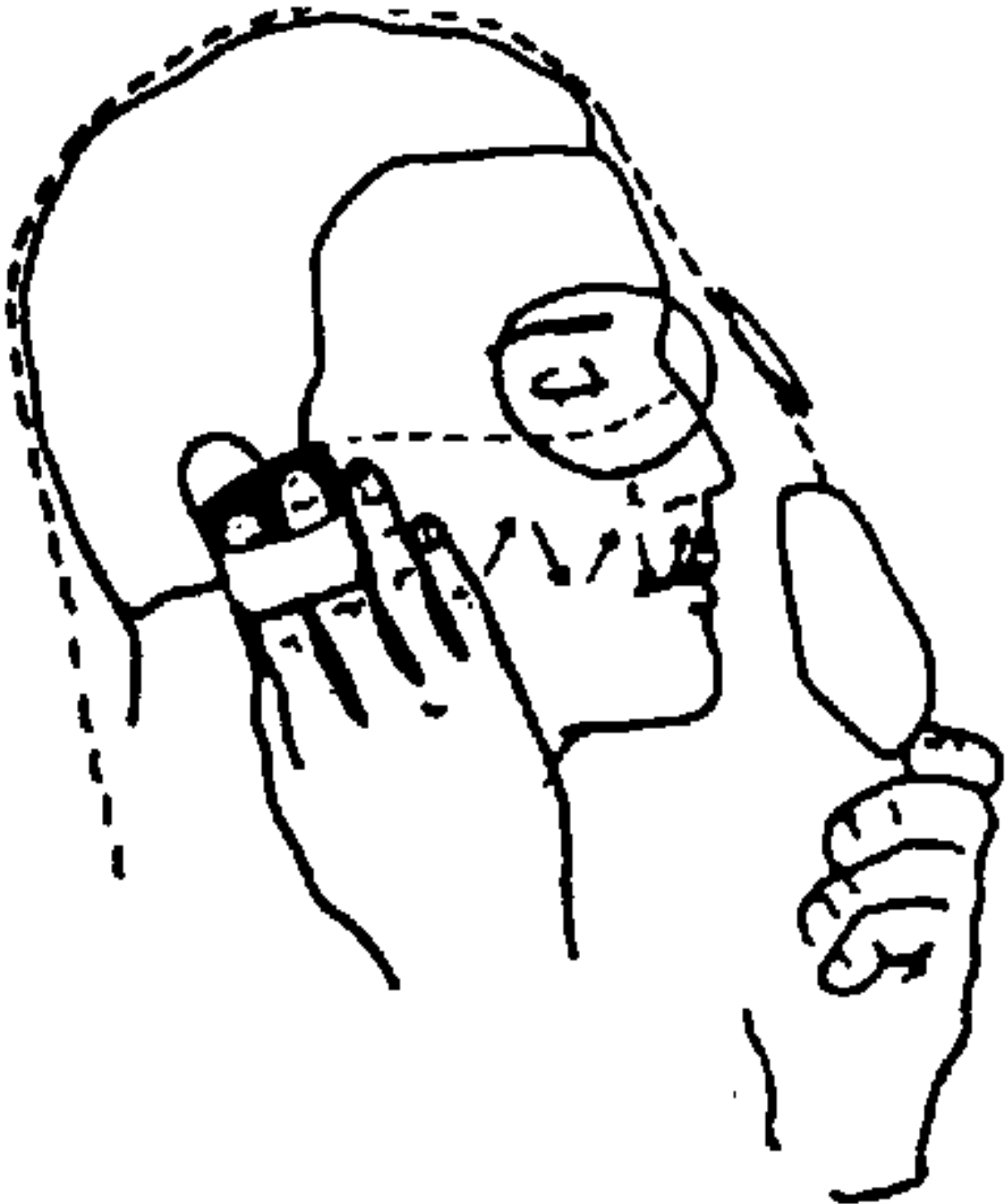
RTP F9 - M295 Equipment Decontamination Kit



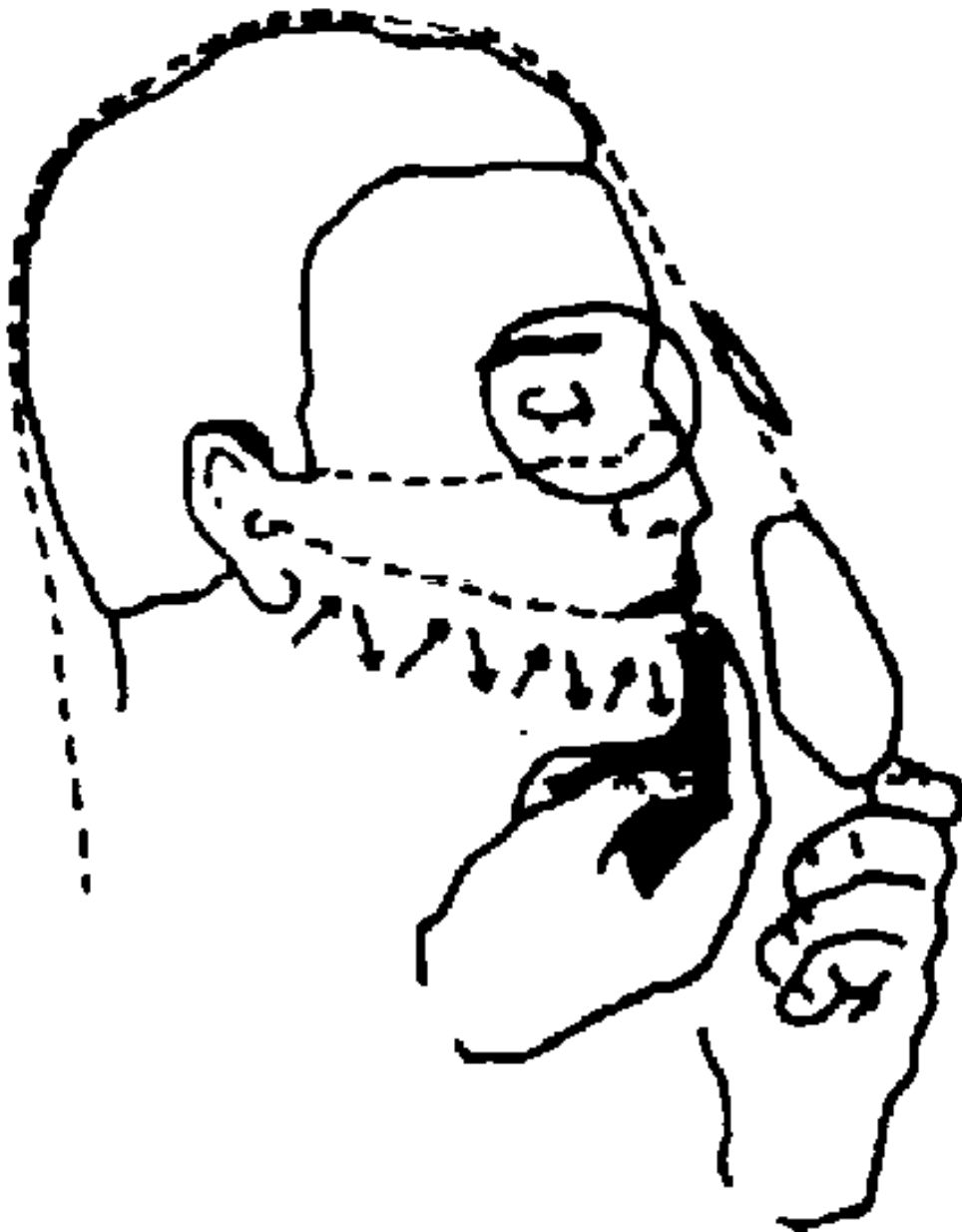
SCRUB HANDS



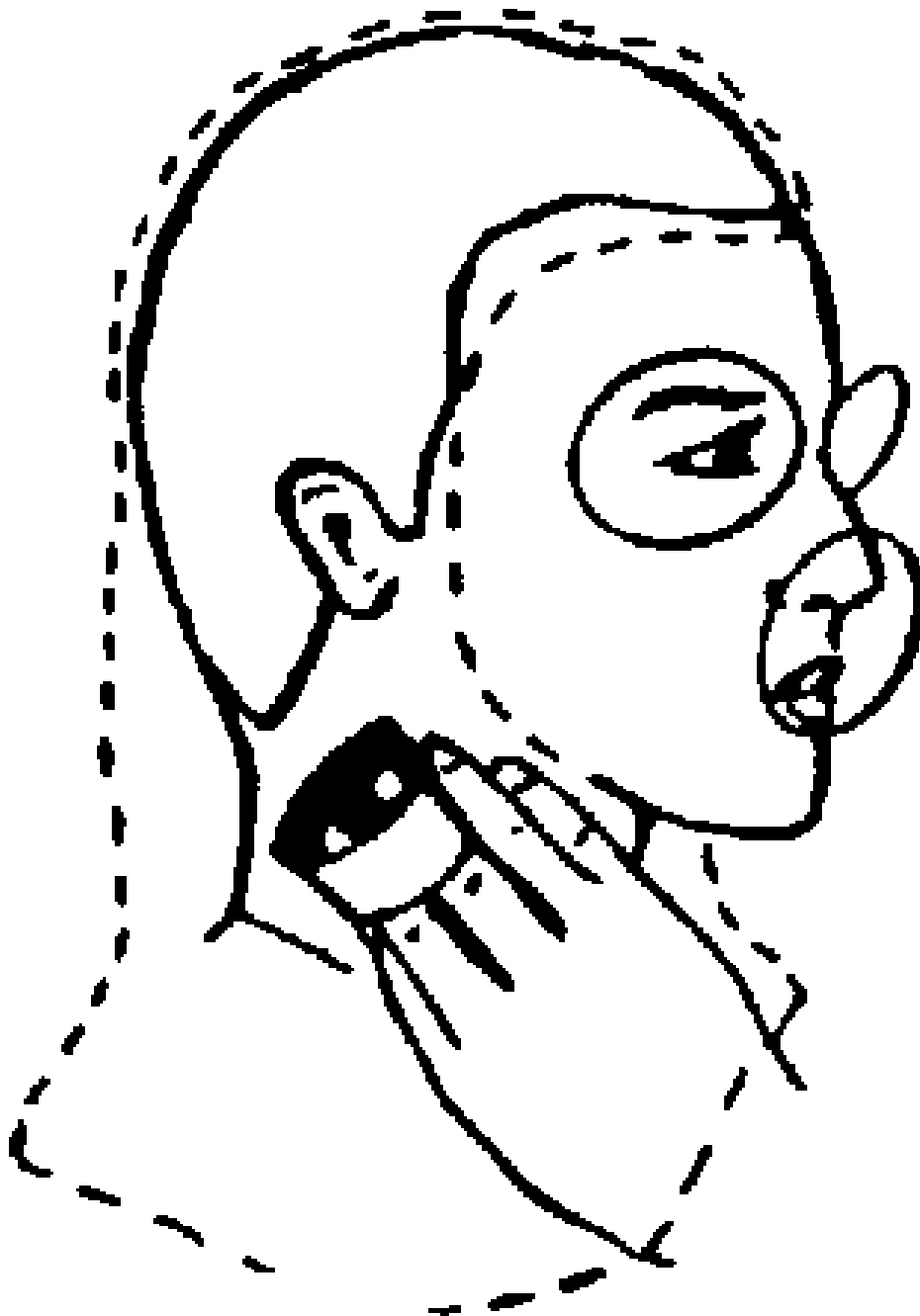
EAR TO NOSE TO EAR



CHEEK TO MOUTH TO CHEEK



JAWBONE TO CHIN TO JAWBONE



SCRUB NECK AND EARS

TRAINING PACKAGE COMMENT REPORT

RTP	RTP DATE:
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For an *immediate response* to your questions concerning subject matter in this Readiness Training Package (RTP), contact the Office of Primary Responsibility(OPR)(TSgt Ron Childs) of the Contingency Training Section at DSN 523-6458 between 0700-1600 (CT), Monday through Friday. Otherwise, write, fax, or E-mail the OPR to make comments, suggestions, or point out technical errors in the areas of: references, body information, performance standards, test questions, and attachments.

NOTE: Do not use the Suggestion Program to submit corrections for printing or typographical errors.

Comments: _____

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